

In association with



Proposal Name: ADARSH - Ideal Driver Training School (IDTS), Kolkata

Submitted To: Shri. S.N. Singh, GM CSR Coal India Limited

Submitted By: Shri. sourabh J. sarkar KarmYog for 21st Century Foundation

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BACKGROUND

Road Safety Issue

According to a survey by World Health Organization (WHO), each year road traffic injuries take away lives of 1.2 million men, women and children around the globe and injure many more. The death toll is on the higher side for the countries, where pedestrians, motorcyclists and passengers are vulnerable and vehicles lack the safety norms; for an example, India.

Despite having adequate provisions in Traffic Rules which directly as well as indirectly helps in ensuring good driving skills among drivers, road accidents are taking lives in large numbers. In 2015, in Kolkata alone around 1 lac drivers and citizens violated traffic rules and 1.5 lac offenders' licenses were impounded. This poses a big question to the quality of Driving Training imparted at large.

Driver Skilling Issue

The need of drivers in India is growing manifold. Following excerpts would ascertain the same.

- Setting up of Driver Training Institutes across the country to meet the demand for drivers in the country. 52% of the demand for skilled workforce in automotive sector is for drivers (MSDE Skill India 2016 Brochure, Special Projects)
- December 2016 Kanpur, at inauguration of the Kaushal Pradarshini (Skill Exhibition), Prime Minister) had shown concern about the training of drivers as he launched the first Drivers' Training Institute. To achieve his dream MSDE has decided to open up 100 Driver Training Institutes all across India.
- NSDC has signed a MoU with OLA cabs. OLA cabs need 1 lakh drivers and we will ensure we provide trained drivers.
- Uber India partners with NSDC, Maruti to skill 1 million by 2018
- Many private companies have shown initiatives and joint hands with ASDC for providing courses in this domain. Most of the commercial vehicle manufacturers have started providing courses on commercial vehicles drivers and other allied courses. The major commercial vehicle manufacturers have understood that the crisis for commercial vehicle drivers would only get worse and it is important for the drivers to be professionally trained (NSDC Auto & Auto Components Sector Report)
- The central government provided training to 80,000 commercial vehicles drivers in 2011 at an expenditure of INR120 crores. This initiative is expected to continue as the shortage of drivers prevails in India (NSDC Auto & Auto Components Sector Report)

To address these issues, there is an urgent need to impart good driving skills to the aspiring as well as present drivers through innovative theory as well as practical training sessions. This need demands of setting up standardised model driving schools where methodically designed driving training can be imparted to aspiring drivers and to those who want to further enhance and hone their already acquired driving skill. Emphasis is required on LifeSkills apart from technical driving skills to have more informed and civilized workforce in this sector.



With this avowed purpose, KarmYog For 21st Century Foundation & Kolkata Police (KP) as an endeavour towards their larger social as well as administrative commitment, have proposed to come together to set up a Ideal Driver Training School (IDTS) with their active cooperation, collaboration, and consultation.

Enclosed below are proposal details of the Ideal Driver Training School (IDTS) to be created as a part of 'Kolkata Jaaago' 'Safe Drive, Save Life (SDSL) initiative.

The setting up of IDTS is spread over 5 years covering 10000 learners directly and empowering almost 1.55 lakh learners through licensing of our learning program and technology. We estimate a cost of 4.99 cr for the same. We understand that Coal India Limited (CIL) is interested in providing CSR funds for IDTS. We look forward to CIL support to make the required and visible impact, by creating a driving school that provide a 'systematic' solution instead of a 'sporadic' one. It will be a model which will establish a benchmark in this space.

Adarsh – Ideal Driver Training School (IDTS)

IDTS is an endeavour to provide an effective and scalable solution for Road Safety & Drivers Skilling issues of India.

The first IDTS would be established in Kolkata. The model would be established to take IDTS and its solutions Pan India in coming times. The project would be self sustainable Year 3 onwards and the revenue earned would be pumped back in expansion of IDTS.

Details of the school are provided as follows.

Basic Information

Proposed Name	Adarsh - Ideal Driver Training School (IDTS)		
Established & Managed by	KarmYog for 21 st Century Foundation		
Partners	Kolkata Police (KP), IIT Kharagpur, (other motoring industry corporate and industry associations)		
Main Campus	KarmYog Institute of Life Skills and Micro-entrepreneurship (ILME) Newtown Kolkata		
Special Campus	TTS Tala, Tala Kolkata West Bengal Kolkata		
Ancillary Locations	JAAAGO learning clubs at 25 traffic guards (List attached in annexure)		



Location wise roles and responsibilities

FEATURES	LOCATIONS (Provide V Mark)			
	MAIN CAMPUS	SPECIAL	ANCILLARY	
		CAMPUS	LOCATIONS	
Reception & Admission	V	V	V	
Distribution and collection of	V	V	V	
admission forms				
Digital infrastructure	V	V		
Admin	V			
Class rooms sessions	V	V	V	
Driving practice – practice sessions	V	V	V	
Laboratory/Workshop/Simulator		V		
Hostel Facilities	V			

Training Details

Vehicle Type	 Light Motor Vehicle (LMV) Light Motor Vehicle Commercial (LMV Com) Heavy Motor Vehicle Commercial (HMV)
Jobs Targeted	 Personal Drivers Commercial LMV Drivers Commercial HMV Drivers
Course Duration	Minimum 60 days (This is more than the stipulated requirement to get Licence)
Course & Certification	QP NOS aligned (attached in Annexure) Assessed by Third Party



Candidate Details

Background	BPL families (Annual Family Income less than Rs. 2 Lac)			
Gender	Male, Female and Others			
Age	18 – 50 years			
Candidate Type	 Fresh Candidate without driving skills and license LMV Drivers with license looking to upgrade to LMV Commercial LMV Commercial looking for upgrade to HMV Commercial 			
Catchment	All states in East IndiaBoth Rural & Urban Areas			
Candidate Selection	 Innovative audition based selection Fee loan provided during training to be paid post placement No string attached to placement 			
Selection Criteria	 Health and Fitness Test Eye sight test Education level Concentration test 			

Operational Assumptions

Project Duration (Years)	5
Grant Required for Years	2
Self Sustenance	Year 3 Onward
Setup, Learningware Development (Months)	3
Per Year Training Details	
Training (Months)	12
Training Days Available (Effective)	300
Per Batch Training Duration (Days)	60
Session Per Day (Morning & Evening)	2
Batch Per Year	10
Classes/Lab Available Per Batch	10
Learner Capacity Per Class	20
Learners Per Batch	200
Learner Per Year (10 Batch x 200 Learner Per Batch)	2000
Candidates Mobilized (4x)	8000
Total Learner Trained in 5 Years (@2000 pa)	10000



Manpower

- Manager/Coordinator
- Mobilization Facilitators
- Admission Coordinators
- Trainers
- Academic Admin Facilitators
- Learning Experience Design Team
- Production Team
- Technology Team

IDTS FINANCIALS (INR)

Grant Financial Detail

			Per Unit		
Α	One Time Cost	Unit	Amount	Amount	Total
(Content & Technology (One Time)				11,100,000
	Learningware Development (60 Days Course x 4 hr per day)	240	40,000	9,600,000	
	Maintenance & Overhead	1	1,500,000	1,500,000	
I	Digital Infrastructure (10 Classes)			-	1,100,000
	Tablets	10	20,000	200,000	
	Laptop	10	30,000	300,000	
	Projector & Speaker	10	60,000	600,000	
1	Practical Lab (Stimulator / Second Hand Vehicle)			-	16,000,000
	LMV 7 Labs x 4 Unit	28	250,000	7,000,000	
	HMV 3 Labs x 4 Unit	12	750,000	9,000,000	
	One Time Cost Total				28,200,000
В	Year 1 Cost				
I	Delivery				8,000,000
	Venue Rental @ 10000 pm	10	120,000	1,200,000	
	Mobilization Cost	8,000	200	1,600,000	
	Trainer Salary (2 Trainer Per Class) @ 20000 pm	20	240,000	4,800,000	
	Learner Consumables	2,000	200	400,000	
(Operational Cost				1,080,000
	IDLS Management 12 Months	12	90,000	1,080,000	
I	License & Certification				1,800,000
	License Fee to RTO	2,000	300	600,000	
	Third Party Assessment by SSC	2,000	600	1,200,000	
1	Year 1 Cost Total				10,880,000
С	Year 2 Cost				
I	Delivery				8,000,000
	Venue Rental @ 10000 pm	10	120,000	1,200,000	
	Mobilization Cost	8,000	200	1,600,000	
	Trainer Salary (2 Trainer Per Class) @ 20000 pm	20	240,000	4,800,000	
	Learner Consumables	2,000	200	400,000	
(Operational Cost			-	1,080,000
	IDLS Management 12 Months	12	90,000	1,080,000	
I	License & Certification			-	1,800,000
	License Fee to RTO	2,000	300	600,000	
	Third Party Assessment by SSC	2,000	600	1,200,000	
1	Year 2 Cost Total				10,880,000
	Total Grant Requested (A	(+B+C)	1		49,960,000

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KarmYog for 21st Century Foundation KarmYog Ashram MB-231, Sector V, Salt Lake (E), Kolkata – 700 102 Contact: +91 91677 19898 <u>www.karmyog21c.in</u>

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Per Learner Grant Detail

Cost Detail	Cost	Learner Covered	Per Learner Cost
One Time Cost	28,200,000	10,000	2,820
Annual Cost	10,880,000	2,000	5,440
Per Learner Fee Amount			8,260

Cost Recovery Detail

		Per Unit	
Revenue Detail	Unit	Amount	Amount
Year 1			
Placment Fee	2,000	1,000	2,000,000
40% of fee to be paid back by students after placment	2,000	3,304	6,608,000
Content & Technology Lisence to other Players in this space	5,000	500	2,500,000
			11,108,000
Year 2			
Placment Fee	2,000	1,000	2,000,000
40% of fee to be paid back by students after placment	2,000	3,304	6,608,000
Content & Technology Lisence to other Players in this space	10,000	500	5,000,000
			13,608,000
Year 3			
Placment Fee	2,000	2,000	4,000,000
60% of fee to be paid back by students after placment	2,000	4,956	9,912,000
Content & Technology Lisence to other Players in this space	20,000	500	10,000,000
			23,912,000
Year 4			
Placment Fee	2,000	2,000	4,000,000
60% of fee to be paid back by students after placment	2,000	4,956	9,912,000
Content & Technology Lisence to other Players in this space	40,000	500	20,000,000
			33,912,000
Year 5			
Placment Fee	2,000	2,000	4,000,000
60% of fee to be paid back by students after placment	2,000	4,956	9,912,000
Content & Technology Lisence to other Players in this space	80,000	500	40,000,000
			53,912,000



Self Sustain Model

Year	Annual Cost*	Annual Revenue	Difference	
Year 1	16,520,000	11,108,000	(5,412,000)	
Year 2	16,520,000	13,608,000	(2,912,000)	
Year 3	16,520,000	23,912,000	7,392,000	
Year 4	16,520,000	33,912,000	17,392,000	
Year 5	16,520,000	53,912,000	37,392,000	

*Per Learner Fee x Number of Learner (8260 x 2000)

Grant Disbursement Schedule

Advance for One Time Cost post signing the agreement	10,000,000
End of Project Year 1 Q1	4,995,000
End of Project Year 1 Q2	4,995,000
End of Project Year 1 Q3	4,995,000
End of Project Year 1 Q4	4,995,000
End of Project Year 2 Q1	4,995,000
End of Project Year 2 Q2	4,995,000
End of Project Year 2 Q3	4,995,000
End of Project Year 2 Q4	4,995,000
Total Grant	49,960,000



IDTS DELIVERABLES

KarmYog Deliverables

- Design, development and implementation of Learning-ware with Technology platform
- Class & Lab Set Up
- Selection and Training of 20 Trainers
- Technology backed Mobilization of 40000 candidates across east India
- Training of 10000 candidates
- Facilitate candidates in getting their License
- Facilitate candidate in Placement
- Facilitate candidate in Third Party Assessment & Certification

Kolkata Police Deliverables

- Subject matter expertise on the topics of Traffic and City safety and management
- Make Special Campus TTS Tala, Tala Kolkata and its staff available as per course requirement
- Make Ancillary Locations (JAAAGO learning clubs at 25 traffic guards) and its staff available as per course requirement
- Support at RTO to get Candidate License in fair manner
- Space for Mass Communications on Traffic Booths across Kolkata
- Availability of top management of Kolkata Police at major promotional shows and events



IDTS CURRICULAM & APPROACH

IDTS would broadly cover the following Job Roles (QP NOS)

Automotive Skills Development Council

- ASC/Q9702 LMV Driver Level 3
- ASC/Q9703 Commercial Vehicle Driver Level 4
- ASC/Q9705 Taxi Driver

Tourism & Hospitality Skills Council

THC/Q4202 - Tour Vehicle Driver

Given below is sample curriculum and approach for one of the QP NOS. Also given details of trainer and lab requirements

Curriculum

This program is aimed at training candidates for "Light Motor Vehicle Driver Level 3" in the "Manufacturing" sector / industry. It aims at building the following key competencies:

- 1. Ensuring road worthiness of vehicle
- 2. Drive safely on the assigned route within limited geography
- 3. Practice HSE and security related guidelines

This Course encompasses 4 out of 4 National Occupational Standards (NOS) of "Light Motor Vehicle Driver Level 3" ASC/Q 9702" Qualification Pack issued by "Automotive Skills Development Council".

S No.	Topic / Module	Duration (in Hrs)	Key Learning Outcomes	Corresponding NOS Code
1.	Ensuring road worthiness of vehicle		 check that the vehicle meets basic legal and compliance related requirements as per: the organization guidelines e.g. rule books of STUs CMVR guidelines from MoRTH and other guidelines issued by Road Transport Authorities like RTOs any other safety, security and environmental guidelines check vehicle service record indicative of any history of technical defects or immediate need for servicing like oil/filter change record any other 	ASC/N 9703



		deviations observed during the trip supervise and ensure all basic technical checks have been carried out as per standard organization check list /procedure report actual or possible defects	
	Drive safely on the assigned route within limited geography	No drunken driving Wear seat Belt/Helmet Follow Traffic Signs and Signals Practice Lane Driving Over-taking rules Safe Parking Rail road crossing safety	ASC/N 9704
3.	Practice	Pedestrian safety pot and report potential	ASC/N 0012

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HSE and	safety issues while driving	
security	 follow rules and regulations 	
related	laid down by transport	
guidelines	authorities	
	 follow company policy and rules 	
	to avoid safety, health and	
	environmental problems	
	ensure cleanliness of vehicle	
	 ensure cleaniness of venicle escalate issues related to 	
	cleanliness	
	and hygiene issues to	
	concern department	
	 escalate issues related to 	
	hazardous material (if not	
	reported in case of goods	
	transport) to concerned	
	authority – internal and external	
	 take immediate and effective 	
	action to limit the danger or	
	damage, without increasing the	
	danger or threat to yourself or	
	others	
	 follow instructions or guidelines 	
	for limiting danger or damage	
	 escalate the issue immediately if 	
	you cannot deal effectively with	
	the danger	
	 give clear information or 	
	instructions to others to allow	
	them to take appropriate action	
	 record and report details of the 	
	danger in line with operator	
	guidelines	
	 report any difficulties you have 	
	keeping to your organization's	
	health and safety instructions or	
	guidelines, giving full and	
	accurate details	
	 Check the exhaust as per the 	
	recommended guideline and	
	ensure the vehicle is meeting the	
	emission norms. In case not get	
	the vehicle re-tuned/adjusted.	
	Get the waste from routine	
	cleaning, changed spare parts etc.	
	disposed off as per environmental	



		norms.	
4.	Generic Skills	Read and understand technical standards of vehicle operation in terms of fuel system and other control systems in vehicle.	ALL NOSs
		 document technical issues pertaining to vehicle To communicate effectively in local language. communicate information in a format that meets the requirements seamless coordination with colleagues assist others who require help keep oneself updated with the new vehicle technologies and functionalities gain knowledge/ experience from working on different routes to effectively communicate the safety, cleanliness and emergency issues keep all the safety equipment in an organized manner so that there is no difficulty to find them 	
5.	Professional Skills	 when not to use the vehicle due to technical and/or compliance related issues how to learn from past mistakes and identify potential problems plan and drive based on traffic and road condition using radio links/navigation aids where available for long routes, in order to avoid excessive fatigue the individual should plan duty handover schedule with fellow Drivers in coordination with depot/branch office fitness of vehicle for safe driving Fuel saving tips Documents to be carried while starting to drive 	ALL NOSs



6.	Driving in dangerous conditions	 Driving at Night Driving in Fog Driving in Rains Driving in Snow/Ice Overloading Driving in Hills In case of Break down
7.	In case of Accidents	 Emergency Action principles Artificial Respiration Emergency Response
8.	Defensive Driving	 What is Defensive Driving? Tailgating Managing Vision Observation/ Anticipation Fatigue Distraction Be Safe. Be Seen Road Rage Car Jacking Risk Points C.O.A.S.T (summing up defensive Driving)
9.	Life Skills	 Concentration and Alertness De- Addiction Self-awareness and emotional stability Empathy and better understanding, communication skill Curiosity and Knowledge Road Intelligence Importance of Physical Fitness Punctuality Self-Discipline and compliance to Rules Accounts Management and Tech Savvy, organized



Other Details

(Based ASC/Q9714 _Chauffeur / Taxi Driver NSQF Level 4)

Minimum qualification for Trainers

Minimum qualification of Trainers	Min years of experience	Remarks/ Brief Description of the Desired Trainer Profile
ITI	5	graduate/ ITI with LMV driving license - well versed in driving
Graduate	5	graduate/ ITI with LMV driving license - well versed in driving

Minimum required Class room & Lab Size (in sq ft)

Class room Size	Lab Size
500 Sq Feet	300 Sq Feet

Prescribed Duration of the training & common norms category

Theo	y Practic	Additiona	Additional Duration:	Training	Content	Comm	Classification	Manufa	Technical	Industry
		Duration: Entrepre neurship and Soft skills		(excluding Digital		Norms Categ ory	Class& lab	cturing / Service	/ Non- Technical	visit/OJT - Not applicable (NA)
160	240	40	20	440	Yes	I	С		Technical	100



Tools & Equipment required in Lab

Equipment Name	Minimu m number of Equipme nt required (per batch of 30	Unit Type	to be	Dimension/Specification /Description of the Equipment/ ANY OTHER REMARK
Air Compressor	1	unit	Yes	
Clutch Plate, Pressure Plate	1	units	Yes	Good & Failed parts
Driving Range For Basic Practice & Steering Control	3	acre	No	
Engine Assembly (Petrol Or Diesel)	1	units	Yes	
Engine Parts Like Piston, Liner, Valves	1	units	Yes	Good & Failed parts
First aid kit	1	units	Yes	to be regularly replenished
fire extinguisher	1	units	Yes	ABC type & duly refilled
Front Axle	1	units	Yes	LMV/HMV range
Gearbox	1	units	Yes	LMV/HMV range
Hand Tools For Vehicle Maintenance	1	set		spanners & sockets for the vehicle on hand
Inspection Pit/Ramp	1	units	No	alternate to lift



Lmv Vehicle	1	units	Yes	in working condition	
Prop Shaft	1	units	No	good & failed part	
Rear Axle	1	units	Yes		
Road Signs Chart	1	set	Yes		
Simulators	1	units	Yes	LMV	

Traffic Signal Chart	1	set	Yes
Transmission parts	1	units	Yes
Tyre Inflator	1	units	Yes
Tyre Repair Kit	1	units	Yes
Wall charts	1	set	Yes



IDTS TIMELINES (Year 1 & 2)

Task Table	Start Date	No of days required	End Date	Responsibility
Deliver the Final Proposal to Coal India	20/02/17	5	25/02/17	KarmYog
Formalize agreement between KarmYog Foundation & Coal India		-		Mutual
First disbursement of pre-sanctioned CSR fund of Rs.1 Cr		-		Coal India
Work Start on Content				KarmYog
Work Start on Class Set Up				KarmYog
Work Start on Trainer Recruitment				KarmYog
Work Start on Train the Trainer				KarmYog
Work Start on Mobilization				KarmYog
Batch 1 Selection				KarmYog
Second disbursement of pre-sanctioned CSR fund of Rs. 49.95 Lac				Coal India
Batch 1 Training Start				KarmYog
Parallel Mobilization				KarmYog
Parallel Placement Linkages				KarmYog
Batch 2 Training Start				KarmYog
Parallel Mobilization				KarmYog
Parallel Placement Linkages				KarmYog
Third disbursement of pre-sanctioned CSR fund of Rs. 49.95 Lac				Coal India
Batch 3 Training Start				KarmYog
Parallel Mobilization				KarmYog
Parallel Placement Linkages				KarmYog
Batch 4 Training Start				KarmYog
Parallel Mobilization				KarmYog
Parallel Placement Linkages				KarmYog
Batch 5 Training Start				KarmYog
Parallel Mobilization				KarmYog
Parallel Placement Linkages				KarmYog

Gantt Chart to be worked upon as per timeline



KARMYOG CREDENTIALS

About KarmYog for 21st Century

Headquartered in Kolkata, KarmYog for 21st Century, is a consortium of institutions that combines together to offer an entirely new approach to learning using media and technology. It is led by visionary educationist Mahacharya shri sourabh J. sarkar, who started his first eLearning company at the inception of the industry. His companies have created learning-ware for corporate across the globe for 17 years.

KarmYog Education Network (KEN) Managing Director, Dr. Chuck Schreiner, PhD Psychology, from Los Angeles, USA has joined hands with sourabh-ji because he recognized shri sarkar's unique talent and capacity to create extraordinary learning experiences. At 63, Dr. Schreiner spends most of his time in India because he believes what shri sarkar is doing is profound and important.

KarmYog Education Network (KEN), an integral part of the KY movement, is an Authorized Training Partner of the National Skill Development Corporation (NSDC). In January 2012, KEN launched 'Pawan Ko Kahin Dekha Kya', a training programme for drivers using KEN's proprietary learning approach OmniDEL[™]. In a short span of 1 year and 11 months KEN trained almost 20,000 drivers across 16 cities---including 1200 drivers for Kumbh Mela 2013 in Allahabad--- transforming the way they think and work. In 2013, the OmniDEL[™] a path-breaking method in learning, developed by shri sourabh j. sarkar, was selected as the Best Learning Method among all the skill development partners in India by NSDC.

About OmniDEL™

The heart of learning is the learning experience of the student. The heart of KEN is our OmniDEL[™] approach to designing learning experience. OmniDEL[™] stands for **Omni Dimensionally Engaging Life &Learning**. Our **OmniDEL[™]** is a groundbreaking approach to learning that engages the physical, pranic, mental and spiritual aspects of learners. The result of this approach is a much more energized, engaged and motivated learner.